

ABSTRACT

**Dual mode radio frequency reception device and
corresponding multimedia receiver**

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The invention relates to a dual mode radio frequency reception device of the type enabling the reception firstly of multi-carrier broadcast signals in a first frequency band and secondly radio positioning signals in a second frequency band, comprising a single preprocessing module (21), particularly including a pass-band antenna filter (211) in which the pass-band includes at least the said first and second frequency bands, and outputting firstly to a first processing system (22) to process the said multi-carrier broadcast signals, and secondly to a second processing system (23) to process the said radio positioning signals.

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